EXPRESS MAIL LABEL NO.: EL 358 767 013

Form PTO-1449

Applicant: John C. Platt, et al.

Serial No.:

09/481,163

Filing Date:

January 12, 2000

For:

FILTERING IMAGE DATA TO OBTAIN SAMPLES MAPPED TO PIXEL

Sheet 1 of 7

Att'y Docket No.: 14984.10.1

SUB-COMPONENTS OF A DISPLAY DEVICE

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT U.S. Patent Documents

Examiner <u>Initial*</u>	Patent Number	Issue <u>Date</u>	<u>Name</u>	Class	Sub Class	Filing <u>Date</u>
大夫 AI	4,136,359	1/23/79	Wozniak	358	17	4/11/77
<u> </u>	4,217,604	8/12/80	Wozniak	358	16	9/11/78
<u> </u>	4,278,972	7/14/81	Wozniak	340	703	1/8/80
<u> </u>	5,057,739	10/15/91	Shimada et al.	313	477R	12/28/89
A5. A5	5,122,783	6/16/92	Bassetti, Jr.	340	701	07/27/90
A. F. A.	5,254,982	10/19/93	Feigenblatt et al.	345	148	1/12/90
<u> 大.</u> A7	5,298,915	3/29/94	Bassetti, Jr. et al.	345	149	6/16/92
A8	5,334,996	8/02/94	Tanigaki et al.	345	152	10/23/90
A9	5,341,153	8/23/94	Benzschawel et al.	345	152	6/13/88
A10	5,349,451	09/20/94	Dethardt	358	518	10/28/93
A11	5,467,102	11/14/95	Kuno et al.	345	1	3/28/95
A12	5,543,819	8/6/96	Farwell et al.	345	150	11/19/93
A13	5,548,305	8/20/96	Rupel	345	150	1/9/92
A14	5,555,360	9/10/96	Kumazaki et al.	395	143	4/4/91
A15	5,633,654	5/27/97	Kennedy Jr. et al.	345	114	3/16/95
大美 A16	5,689,283	11/18/97	Shirochi	345	132	7/14/95





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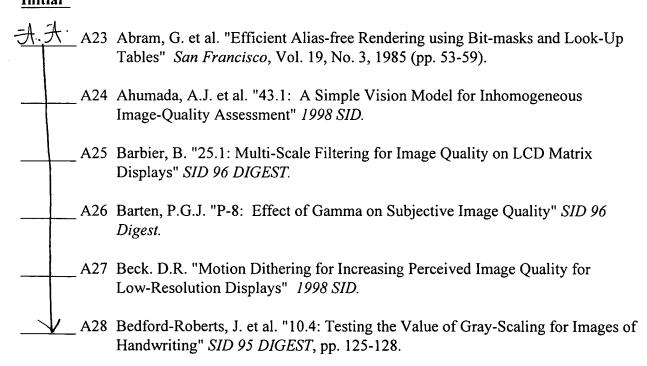
SUB-COMPONENTS OF A DISPLAY DEVICE

<u> </u>	6/16/98	Hara	345	152	4/16/93
人. A. A18 5,821,913	10/13/98	Mamiya	345	88	12/14/95
太.夫. A19 5,847,698	12/8/98	Reavey et al.	345	173	9/17/96
<u> </u>	4/13/99	Takizawa	345	115	9/9/96
<u> </u>	9/7/99	Batio	361	681	11/12/97
<u>Д.Д.</u> A22 5,963,185	10/5/99	Havel	345	83	9/27/96

Other Documents

(including author (if listed), title, relevant pages, date of publication including at least month and year).

Examiner Initial*



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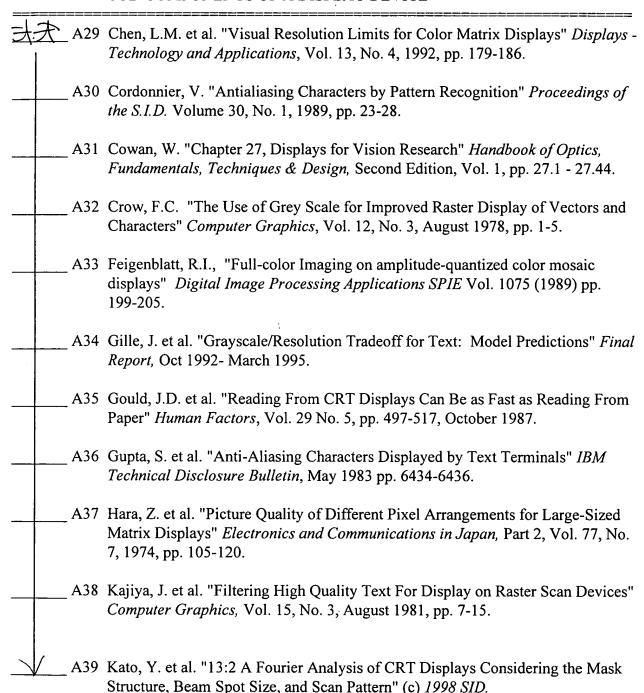
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FILTERING IMAGE DATA TO OBTAIN SAMPLES MAPPED TO PIXEL

SUB-COMPONENTS OF A DISPLAY DEVICE

and Spatial Sampling" SID 90 Digest, pp. 29-32. A41 Kubala, K. et al. "27:4: Investigation Into Variable Addressability Image Sensors and Display Systems" 1998 SID. A42 Mitchell, D.P. "Generating Antialiased Images at Low Sampling Densities" Computer Graphics, Vol. 21, No. 4, July 1987, pp. 65-69. A43 Mitchell, D.P. et al., "Reconstruction Filters in Computer Graphics", Computer Graphics, Vol. 22, No. 4, August 1988, pp. 221-228. A44 Morris R.A., et al. "Legibility of Condensed Perceptually-tuned Grayscale Fonts" Electronic Publishing, Artistic Imaging, and Digital Typography, Seventh International Conference on Electronic Publishing, March 30-April 3, 1998, pp. 281-293. A45 Murch, G. et al. "7.1: Resolution and Addressability: How Much is Enough?" SID 85 Digest, pp. 101-103. A46 Naiman, A., "Some New Ingredients for the Cookbook Approach to Anti-Aliased Text" Proceedings Graphics Interface 81, Ottawa, Ontario, 28 May - June 1, 1984, pp. 99-108. A47 Naiman, A, et al. "Rectangular Convolution for Fast Filtering of Characters" Computer Graphics, Vol. 21, No. 4, July 1987, pp. 233-242. A48 Naiman, A.C. "10:1 The Visibility of Higher-Level Jags" SID 95 Digest pp. 113-116. A49 Peli, E. "35.4: Luminance and Spatial-Frequency Interaction in the Perception of Contrast", SID 96 Digest. A50 Pringle, A., "Aspects of Quality in the Design and Production of Text", Association of Computer Machinery 1979, pp. 63-70.

EXPRESS MAIL LABEL NO.: EL 358 763 013 US Form PTO-1449 Sheet 5 of 7 Applicant: John C. Platt, et al. Serial No.: 09/481,163 Att'y Docket No.: 14984.10.1 Filing Date: January 12, 2000 FILTERING IMAGE DATA TO OBTAIN SAMPLES MAPPED TO PIXEL For: SUB-COMPONENTS OF A DISPLAY DEVICE A51 Rohellec, J. Le et al. "35.2: LCD Legibility Under Different Lighting Conditions as a Function of Character Size and Contrast" SID 96 Digest. A52 Schmandt, C. "Soft Typography" Information Processing 80", Proceedings of the IFIP Congress 1980, pp. 1027-1031. A53 Sheedy, J.E. et al. "Reading Performance and Visual Comfort with Scale to Grey Compared with Black-and-White Scanned Print" Displays, Volume 15, No. 1, 1994, pp. 27-30. A54 Sluyterman, A.A.S. "13:3 A Theoretical Analysis and Empirical Evaluation of the Effects of CRT Mask Structure on Character Readability" (c) 1998 SID. A55 Tung. C., "Resolution Enhancement Technology in Hewlett-Packard LaserJet Printers" Proceedings of the SPIE - The International Society for Optical Engineering, Vol. 1912, pp. 440-448. A56 Warnock, J.E. "The Display of Characters Using Gray Level Sample Arrays", Association of Computer Machinery, 1980, pp. 302-307. A57 Whitted, T. "Anti-Aliased Line Drawing Using Brush Extrusion" Computer Graphics, Vol. 17, No. 3, July 1983, pp. 151,156. A58 Yu, S., et al. "43:3 How Fill Factor Affects Display Image Quality" (c) 1998 SID. A59 "Cutting Edge Display Technology - The Diamond Vision Difference" www.amasis.com/diamondvision/technical.html, January 12, 1999.

A61 "How Does Hinting Help?" http://www.microsoft.com/typography/hinting/how.htm/fname=%20&fsize, June 30, 1997.

A60 "Exploring the Effect of Layout on Reading from Screen" http://fontweb/internal/

repository/research/explore.asp?RES=ultra, 10 pages, June 3, 1998.

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Applicant:

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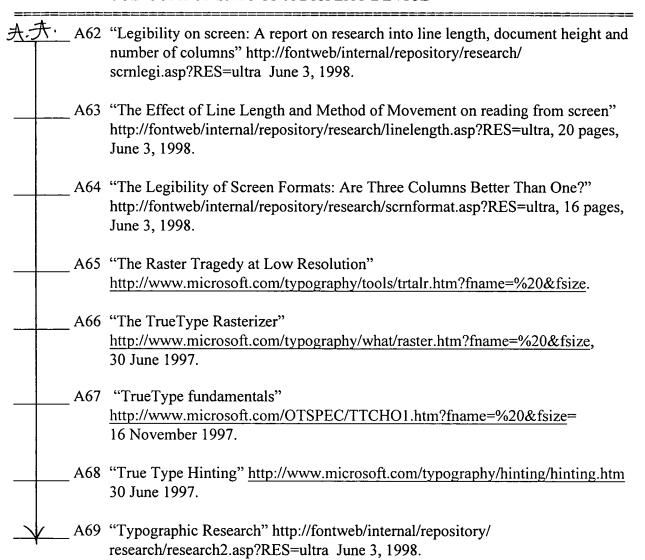
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FILTERING IMAGE DATA TO OBTAIN SAMPLES MAPPED TO PIXEL

SUB-COMPONENTS OF A DISPLAY DEVICE



References Cited by Applicants

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Form PTO-1449 Sheet 7 of 7

Applicant: John C. Platt, et al.

Serial No.: 09/481,163 Att'y Docket No.: 14984.10.1

Filing Date: January 12, 2000

For: FILTERING IMAGE DATA TO OBTAIN SAMPLES MAPPED TO PIXEL

SUB-COMPONENTS OF A DISPLAY DEVICE

translation is readily available to the applicant), an explanation of relevance of each reference not in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

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John C. Platt, et al.

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tt'y Docket No.: 14984.10.1

PIXEL SUB-COMPONENTS OF A DISPLAY DEVICE

SUPPLEMENTAL INFORMATION DISCLOSURE CITATIONS MADE BY A

U.S. Patent Documents

Examiner Initial*	Patent Number	Issue Date	Name	Class	Sub Class	Filing Date
+ 未 · A1	5,870,097	02/09/99	Snyder et al.	345	426	<u>Date</u> 06/27/96
JIJI AI	3,0/0,09/	02/09/99	Snvaer et al.	343	420	U0/27/5

References Cited by Applicants

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Applicant:

John C. Platt, et al.

Serial No.: Filing Date:

09/481,163

January 12, 2000

Att'y Docket No.: 14984.10.1

Group: 2775

Confirmation No.:

n/a

For:

FILTERING IMAGE DATA TO OBTAIN SAMPLES MAPPED TO

PIXEL SUB-COMPONENTS OF A DISPLAY DEVICE

SUPPLEMENTAL INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT

U.S. Patent Documents

Examiner <u>Initial*</u>	Patent Number	Issue <u>Date</u>	<u>Name</u>	Class	Sub <u>Class</u>	Filing <u>Date</u>
其.夫· A1.	4,463,380	07/31/84	Hooks, Jr.	358	160	09/25/81

References Cited by Applicants

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Amir

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